



GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Outgoing

C0150032

#4071

OK

June 21, 2012

David Hibbs, Resident Agent
Genwal Resources, Inc.
P.O. Box 910
East Carbon, UT 84520-0910

Subject: 2011 Annual Report Review Completion, Crandall Canyon Mine, C/015/0032, Task ID #4071

Dear Mr. Hibbs:

The Division staff has completed the review of the 2011 Annual Report. Enclosed is a copy of the review with each reviewer's comments completed on June 19, 2012.

Thank you for your diligence in completing the Annual Report. If you have any questions, please call me at (801) 538-5325.

Sincerely,

Daron R. Haddock
Coal Program Manager

DRH/sqs
Enclosure
cc: Price Field Office
O:\015032.CRA\WG4071\ReviewCompletionLetter.doc



[Print Form](#)[Submit by Email](#)[Reset Form](#)

Annual Report

This Annual Report shows information the Division has for your mine. Submit the completed document and any additional information identified in the Appendices to the Division by **March 30, 2012**. During a complete inspection an inspector will check and verify the information.

GENERAL INFORMATION

Company Name	Genwal Resources Inc.	Mine Name	Crandall Canyon Mine
Permit Number	C/015/0032	Permit expiration Date	2013-05-13
Operator Name	Genwal Resources, Inc.	Phone Number	+1 (435) 888-4000
Mailing Address	P.O. Box 910	Email	dshaver@coalsource.com
City	East Carbon		
State	Utah	Zip Code	84520

DOGM File Location or Annual Report Location

Excess Spoil Piles

- ☐ Required
☐ Not Required

Refuse Piles

- ☐ Required
☐ Not Required

Impoundments

- ☒ Required
☐ Not Required

Other:

Sediment pond certification included.

OPERATOR COMMENTS

The Crandall mine was inactive during 2011.

REVIEWER COMMENTS



Met Requirements



Did Not meet Requirements

Reviewed by James Owen. Sediment pond certification complete by David Hibbs, PE. No noted structural weakness or potential safety hazards. Slopes reported as stable.

COMMITMENTS AND CONDITIONS

The Permittee is responsible for ensuring annual technical commitments in the Mining and Reclamation Plan and conditions accepted with the permit are completed throughout the year. The Division has identified these commitments below and has provided space for you to report what you have done during the past year for each commitment. If additional written response is required, it should be filed as an attachment to this report.

Title: MACROINVERTEBRATE SAMPLING

Objective: To monitor macroinvertebrate populations in Crandall Creek

Frequency: Annually, during the spring and fall beginning in 2009.

Status: Spring and Fall 2011 surveys are complete. 2011 reports are due to the Division.

Reports: Submit surveys in annual report.

Citation: MRP, Volume A Text, Chapter 3, page 3-17.

Operator Comments

The Spring 2011 macroinvertebrate study is included. The fall survey has been completed and the report is still awaiting the results from the Bug Lab.

Reviewer Comments



Met Requirements



Did Not Meet Requirements

Reviewed by Ingrid Campbell 5/17/2012: The Spring 2011 macroinvertebrate report is included in the annual report. The fall 2012 report is currently being written. JBR environmental conducted the spring survey in July 2011 when flowrates were at an appropriate level for surveys. The surveys continue to show that the two sites downstream of the mine water discharge have been negatively impacted by the iron discharge. However, the macroinvertebrate population was not completely decimated by the event, and macroinvertebrate populations are currently present downstream of the mine. The sample site directly below the mine discharge point is covered with iron precipitate and filamentous algae. The permittee will be required to do habitat enhancement during reclamation of the mine culvert (Only some of the culvert will be removed, the culvert below the parking area for the memorial will remain).

Title: SUBSIDENCE MONITORING

Objective: To determine subsidence effects from mining. Please provide a map that shows the locations of the monitoring points to compare variations due to mining.

Frequency: Annually

Status: Ongoing.

Reports: Submit surveyed monitoring data and map to Division annually.

Citation: MRP, Volume B, Chapter 5, Section 5.25.14, page 5-25.

Operator Comments

Subsidence information is included.

Reviewer Comments ☒ Met Requirements

☐ Did Not Meet Requirements

Reviewed By James Owen. Subsidence data was collected through Ware Surveying. The report indicates that there was no perceptible movement since the previous year's survey. Points that had not been surveyed since 2004 were shown to demonstrate mild upheaval (0.4 in). Points not shown were destroyed by road construction. Subsidence data includes updated elevations for constant easting and northing records. Negative differences range from 0 to 2 feet. Multiple outliers were observed. No mining is currently taking place. A mine map was also included with the application.

Title: RAPTOR SURVEYS

Objective: To monitor raptor activity and nesting within and adjacent to the permit area.

Frequency: Every three years, or annually if a.) UDWR recommends it, b.) it will not unduly harass raptors, or c.) it is prudent to insure raptor safety and/or habitat.

Status: Last survey completed in 2008. Next survey is due in 2011.

Reports: In annual report.

Citation: MRP, Volume A, Chapter 3, page 3-17.

Operator Comments

Due to the inactive status of the Crandall mine, no raptor surveys have been continued.

Reviewer Comments ☒ Met Requirements

☐ Did Not Meet Requirements

Reviewed by Ingrid Campbell 5/17/2012: Raptor surveys are not required if the mine is not active AND no significant activity is taking place. Prior to installation of any discharge treatment facilities or prior to reclamation work, a raptor survey must be conducted to ensure the work will not interfere with nearby nesting raptors.

FUTURE COMMITMENTS AND CONDITIONS

The following commitments are not required for the current annual report year, but will be required by the permittee in the future as indicated by the "status" field. These commitments are included for information only, and do not currently require action. If you feel that the commitment is no longer relevant or needs to be revised, please contact the Division.

Title: RECLAMATION OF CULVERT			
Objective: To reclaim part of the culverted section of the stream which provided habitat to the cutthroat trout population.			
Frequency: Once during reclamation.			
Status: Needs to be completed as soon as possible.			
Reports: Submitted to the Division upon project completion.			
Citation: MRP, Volume A, Chapter 3, page 3-16			

OPERATOR COMMENTS (OPTIONAL)

REVIEWER COMMENTS

Comments by Ingrid Campbell 5/17/2012: The permittee should be aware that enhancement of the stream below the mine will be required due to the impact on the stream habitat and aquatic wildlife that occurred because of the iron-laden water discharge from the mine.

REPORTING OF OTHER TECHNICAL DATA

Please list other technical data or information that was not included in the form above, but is required under the approved plan, which must be periodically submitted to the Division.

Please list attachments:

--

Reviewer Comments

NA

MAPS

Copies of mine maps, current and up-to-date through at least December 31, 2011, are to be provided to the Division as an attachment to this report in accordance with the requirements of R645-301-525.240. The map copies shall be made in accordance with 30 CFR 75.1200 as required by MSHA. Mine maps are not considered confidential.

Map Name	Map Number	Included		Confidential	
		Yes	No	Yes	No
Annual subsidence map		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mine Map		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Reviewer Comments ☒ Met Requirements ☐ Did Not Meet Requirements

Reviewed by James Owen. Map includes no changes or updates. Subsidence data included.